

# Autoclear Aerodry

**FOR PROFESSIONAL USE ONLY**

**Description**

Two-pack VOC compliant ambient drying clearcoat showing excellent properties like an oven cured clearcoat. Autoclear Aerodry offers optimum application properties and easy blending. Its innovative technology offers multiple drying methods while insuring a constant premium finish. Fast ambient drying at a wide range of temperature or 5min at 60°C, outstanding polishability, Autoclear Aerodry is the perfect partner enabeling the bodyshop to lower energy and resource costs per repair by diversifying workflows.

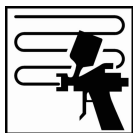


100 Autoclear Aerodry  
100 Autoclear Aerodry Hardener



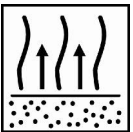
Spray gun set-up:  
1.2-1.3 mm

Application pressure:  
2.0-2.2 bar at the air inlet  
HVLP max 0.6-0.7 bar at the air cap



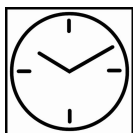
2 x 1 coat

One-stop application  
½ + 1 coat  
First apply a light closed coat.  
Followed by a full coat without flash off time



Between coats  
0-3 minutes at 20°C

Before curing  
0-3 minutes at 20°C



| Version       | 14-20°C |        | 20-30°C  |          |
|---------------|---------|--------|----------|----------|
|               | Fast    | Fast   | Standard | Standard |
| Dust dry      | 15 min  | 10 min | 15 min   | 15 min   |
| Dry to handle | 45 min  | 30 min | 45 min   | 45 min   |
| Dry to polish | 60 min  | 50 min | 60 min   | 60 min   |

Forced drying possible, see detailed TDS



Use suitable respiratory protection  
Akzo Nobel Car Refinishes recommends the use of a fresh air supply respirator.

Read complete TDS for detailed product information

# Autoclear Aerodry

FOR PROFESSIONAL USE ONLY

## Description

Two-pack VOC compliant ambient drying clearcoat showing excellent properties like an oven cured clearcoat. Autoclear Aerodry offers optimum application properties and easy blending. Its innovative technology offers multiple drying methods while insuring a constant premium finish. Fast ambient drying at a wide range of temperature or 5min at 60°C, outstanding polishability, Autoclear Aerodry is the perfect partner enabling the bodyshop to lower energy and resource costs per repair by diversifying workflows.

## Product and additives

**Clearcoat** Autoclear Aerodry

**Hardener** Autoclear Aerodry Hardener Fast  
Autoclear Aerodry Hardener

## Basic raw materials

Autoclear Aerodry Polyaspartic resins  
Autoclear Aerodry Hardener (Fast): Poly-isocyanate resins

## Suitable substrates

Autowave 2.0 + **5% Autowave 2.0 Hardener** until completely matt and dry  
Sanded original finishes

**Note:** In case of three stage application or the use of a precoat / blending area it is mandatory to add 5% of Autowave Hardener 2.0 to each of the coats

## Mixing



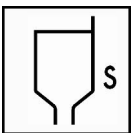
### 14-20°C

100 parts by weight of Autoclear Aerodry  
100 parts by weight of Autoclear AerodryHardener Fast

### 20-30°C

100 parts by weight of Autoclear Aerodry  
100 parts by weight of Autoclear AerodryHardener / Hardener Fast

## Viscosity



12-14 seconds – DIN Cup 4 at 20°C.

## Spray gun set-up / application pressure



**Spray gun**  
Gravity feed

**Fluid tip – set-up**  
1.2-1.3 mm

**Application pressure**  
1.7-2.2 bar at the spray gun air inlet  
HVLP max 0.6-0.7 bar at the air cap

# Autoclear Aerodry

FOR PROFESSIONAL USE ONLY

## Application process



Apply two single coats, allowing for a 0-3 minutes flash-off time at 20°C between coats.or

One-stop application: ½ + 1 coat

- First apply a light closed coat.
- Next apply a full coat without flash off time .

## Pot-life

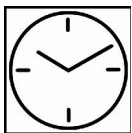
Autoclear Aerodry + Autoclear Aerodry Hardener Fast  
Autoclear Aerodry + Autoclear Aerodry Hardener

20 minutes at 20°C  
30 minutes at 20°C

## Film thickness

By using the recommended application: 45-60 µm.

## Drying times influenced by Humidity



|      | Dust dry   |            | Dry to handle |            |
|------|------------|------------|---------------|------------|
|      | Fast       | Standard   | Fast          | Standard   |
| 20°C | 15-25 mins | 20-30 mins | 35-35 mins    | 40-60 mins |
| 40°C |            | 15-35 mins |               | 30-55 mins |
| 60°C |            |            | 5 mins        |            |

**Note:** In combination with temperature, drying speed is dependent on humidity levels. In general drying will be faster the higher the humidity. Increasing temperature/s may lower humidity levels and deter drying speed.

Drying at humidity levels under 30% should be avoided as TDS drying times cannot be guaranteed.

## Polishability



Dust and minor damage can be removed after the stated ambient drying times or force drying temperatures have been reached.

(If the force drying method has been used please allow the panel to cool down prior to sanding - polishing)

Carefully sand and remove the dust particles and restore the surface according to all polishing recommendations.

**Note:** For an optimal result, polish within 3 hours after curing.

## Material usage

Ready for use mixture at 1 µm layer thickness: m<sup>2</sup>/liter  
± 494 m<sup>2</sup>/liter

*The practical material usage depends on many factors i.e. shape of the object, roughness of the surface, application techniques, pressure and application circumstance*

## Cleaning of equipment

Sikkens Solvents or solvent borne guncleaners

## VOC

The EU limit value for this product (product category: IIB.d) in ready to use form is max. 420 g/l VOC.  
The VOC content of this product in ready to use form is max. 406 g/liter.

# Autoclear Aerodry

FOR PROFESSIONAL USE ONLY

## Product storage

Product shelf-life is currently 1 year when stored unopened at 20°C  
After opening the can, product shelflife is limited to 1 month at 20°C  
Avoid extreme temperature fluctuation and high humidity levels

- *Product shelf life data see TDS S9.01.02*

### Akzo Nobel Coatings LTD

**Address:** Unit 2B, Didcot Park  
Churchward, Southmead Industrial Estate  
Didcot, Oxfordshire, OX11 7HB  
**Tel:** +44 (0)1235 862226

#### FOR PROFESSIONAL USE ONLY

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws: any person using the product for any purpose other than that specifically recommended in the technical data sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so at his own risk. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Material Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. Therefore, unless we specifically agree in writing otherwise, we do not accept any liability whatsoever for the performance of the product or for any loss or damage arising out of the use of the product. All products supplied and technical advices given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in the light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

Coatings brand names mentioned in this data sheet are trademarks of or are licensed to AkzoNobel.

#### Head Office

AkzoNobel Car Refinishes B.V., PO Box 3 2170 BA Sassenheim, The Netherlands. [www.sikkenscr.com](http://www.sikkenscr.com)